U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN **APPLICATION DATA SHEET (37 CFR 1.76)** TUMOR SUPPRESSOR LKB1 KINASE DIRECTLY ACTIVATES AMP-ACTIVATED KINASE Title of Invention As the below named inventor(s), I/we declare that: This declaration is directed to: The attached application, or , filed on September 9, 2004 10/571,242 x Application No. March 9, 2006 (if applicable); x as amended on I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought: I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. **WARNING:** Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon. FULL NAME OF INVENTOR(S) Lewis C. Cantley Inventor one: US Citizen of: Signature: Inventor two: Reuben J. Shaw US Citizen of: Signature: Inventor three: Nabeel Bardeesy US Citizen of: Signature: Ronald A. Depinho Inventor four: US Citizen of: Signature: additional form(s) attached hereto. Additional inventors or a legal representative are being named on

PTO/SB/01A (07-06)

Approved for use through 01/31/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)					
Title of Invention	TUMOR SUPPRESSOR LKB1 KINASE DIRECTLY ACTIVATES AMP-ACTIVATED KINASE				
As the below named inventor(s), I/we declare that:					
This declaration is directed to:					
The attached application, or					
x	Application No. 10/571,242 , filed on Se	ptember 9, 2004 ,			
	x as amended on March 9, 2006	(if applicable);			
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;					
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;					
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.					
WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.					
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF INVENTOR(S)					
Inventor one: Lev	ewis C. Cantley	~			
Signature:	Citizen of:	US			
Inventor two: Re	euben J. Shaw				
Signature:	enter Johan Citizen of:	US			
Inventor three: Na	abeel Bardeesy				
Signature:	Citizen of:	US			
Inventor four: Ro	onald A. Depinho				
Signature:	Citizen of:	US			
Additional inventors or a legal representative are being named on additional form(s) attached hereto.					

The desired from the second		U.S. Paten	LORD TISHAMASI OF	PTO/SB/01A (07-06 ISE through 01/31/2007. OMB 0651-003 Se; U.S. DEPARTMENT OF COMMERC	
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)					
Title of Invention				ES AMP-ACTIVATED KINASE	
As the below named	inventor(s), I/we declar	'e that:			
This declaration is directed to:					
	The attached application				
x	Application No.		, filed on	September 9, 2004	
	x as amended		rch 9, 2006	(if applicable);	
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;					
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;					
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all Information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filling date of the prior application and the national or PCT international filling date of the continuation-in-part application.					
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identify theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly svailable.					
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF INVI	ENTOR(S)				
Inventor one: Lev	wis C. Cantley				
Signature:		Citize	n of;	US	
Inventor two: Rei	uben J. Shaw				
Signature:		Citize	n of:	US	
Inventor three; Nat	beel Bardeesy				
Signature.	CB	Citize	n of:	US	
Inventor four: Ror	nald A. Depinho				
Signature:		Citize	n of:	US	
Additional inventor	s or a legal representative	are being named on	additiona	form(s) attached hereto.	

JUN-17-1996

06:04

P.05/05

PTCVSID/01 A (07-00)

Approved for use through 01/31/2007. OMB 0631-0032

V.S. Patent and Tradomark Office; U.S. DEPARTMENT OF COMMERCE people is a coffection of information unless it deplays a yelld OMB control number. DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) Title of invention TUMOR SUPPRESSOR LKB1 KINASE DIRECTLY ACTIVATES AMP-ACTIVATED KINASE As the below named Inventor(s), I/we declare that: This declaration is directed to: The attached application, or 10/571,242 x Application No. September 9, 2004 , filed on March 9, 2006 X as amonded on (If applicable); which is claimed and for which a patent is I was have reviewed and understand the contents of the above identified application, including the claims, as amended by any amandment apocifically referred to above; I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentiability as defined in 37 CFR 1.50, including for continuation-in-part applications, material information which became available between the filling date of the prior application and the national or PCT informational lilling date of the continuation-in-part application, WARNING: Petitional/applicant is continued to avoid submitting personal information to documents filled in a putent application that Pettioner/applicant is cautioned to avoid submitting personal information in tocuments fined in a pation, application that may contribute to Identify thort. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants chould consider reducing such personal information from the documents offers submitting them to the USPTO. Petitioner/applicants about consider reduced that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or isauance of a patent. Further/more, the record from an abandoned application may also be available to the public if the application is referenced in a published for avament surposes, are not retained in the application (if a application (if a croditicard authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. All statements made harein at my/our own knowledge are true, all statements made harein on information and ballet are bolloved to be true, and further that these statements were made with the knowledge that willful false statements and the like are purishable by line or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon. FULL NAME OF INVENTOR(S) Lewis C. Cantley inventor one: Signaturo: Cilizon of: US Reuben J. Shaw Inventor two: Signature: US Citizen of: inventor three: Nabeel Bardeesy Signaturo: Citizen of: US Inventor four: Ronald A. Dopinho Signature: US Citizen of: Additional inventors or a legal representative are being named on additional form(s) attached horato.

Page 1 of 1

1097983.1